PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as we	see Form PCT/ISA/220 Il as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US2004/039361	22/11/2004	25/11/2003
Applicant NUVERA FUEL CELLS, INC.]
This International Search Report has be according to Article 18. A copy is being t	en prepared by this International Searching Au ransmitted to the International Bureau.	thority and is transmitted to the applicant
_	s of a total of sheets. y a copy of each prior art document cited in this	s report.
Basis of the report a. With regard to the language, the language in which it was filed, ur	e international search was carried out on the ba less otherwise indicated under this item.	asis of the international application in the
The internationa this Authority (Re	I search was carried out on the basis of a transule 23.1(b)).	lation of the international application furnished to
b. With regard to any nucle	eotide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. Certain claims were for	und unsearchable (See Box II).	
3. Unity of invention is lac	cking (see Box III).	
4. With regard to the title,		
the text is approved as s	ubmitted by the applicant.	·
the text has been establi	shed by this Authority to read as follows:	
		•
5. With regard to the abstract,		
X the text is approved as si	ubmitted by the applicant.	
the text has been establis may, within one month from	shed, according to Rule 38.2(b), by this Author om the date of mailing of this international sear	ity as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.
6. With regard to the drawings ,		
a. the figure of the drawings to be p	published with the abstract is Figure No1_	
as suggested by	• •	
	is Authority, because the applicant failed to su	
	s Authority, because this figure better characte	erizes the invention.
b. none of the figures is to b	e published with the abstract.	

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national Application No PCT/US2004/039361

PCT/US2004/039361 CLASSIFICATION OF SUBJECT MATTER
PC 7 F23N5/10 F23N1/02 IPC 7 F23N5/00 F23N5/24 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 F23N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Υ EP 0 380 705 A (MATSUSHITA ELECTRIC 1-23 INDUSTRIAL CO., LTD) 8 August 1990 (1990-08-08) page 5, line 9 - page 6, line 22 page 9, line 17 - line 21 page 14, line 8 - page 16, line 2 page 21, line 23 - page 23, line 13 US 2002/081470 A1 (HANAI SATOSHI ET AL) 1 - 2327 June 2002 (2002-06-27) paragraphs '0010!, '0011!, '0016!, '0043! EP 0 697 564 A (ABB RESEARCH LTD: LAMTEC 8,11,16, MESS- UND REGELTECHNIK FUER FEUERUNGEN GMBH &) 21 February 1996 (1996-02-21) column 1, line 7 - line 26 Further documents are listed in the continuation of box C. Χ Patent family members are listed in annex. ° Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other, such docuother means ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 3 May 2005 11/05/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk

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INTERNATIONAL SEARCH REPORT

PCT/US2004/039361

ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		nelevani to claim No.
,	US 5 828 582 A (CONKLEN ET AL) 27 October 1998 (1998-10-27) column 5, line 10 - line 19	10,23
	DE 100 45 272 A1 (HEATEC THERMOTECHNIK GMBH) 28 March 2002 (2002-03-28) paragraph '0038!	13
	DE 198 54 035 A1 (JOH. VAILLANT GMBH U. CO, 42859 REMSCHEID, DE) 27 May 1999 (1999-05-27) the whole document	1,7,9, 10,15, 17-20,22
	PATENT ABSTRACTS OF JAPAN vol. 008, no. 100 (M-295), 11 May 1984 (1984-05-11) & JP 59 013821 A (MITSUBISHI DENKI KK), 24 January 1984 (1984-01-24) abstract	1,2,4
	WO 03/019711 A (BALLARD POWER SYSTEMS AG; SCHONERT, MICHAEL) 6 March 2003 (2003-03-06) page 1, paragraph 3 page 3, paragraph 2 page 5, paragraph 3 - page 6, paragraph 1	1,17
	US 2002/056316 A1 (TACHIHARA TAKAHIRO ET AL) 16 May 2002 (2002-05-16) paragraph '0037! - paragraph '0048!	1,17
	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 12, 3 January 2001 (2001-01-03) & JP 2000 240938 A (MATSUSHITA ELECTRIC WORKS LTD), 8 September 2000 (2000-09-08) abstract	1,17
·		

INTERNATIONAL SEARCH REPORT

ation on patent family members

PCT/US2004/039361

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0380705	Α	08-08-1990	JP JP	1969319 2044121		18-09-1995 14-02-1990
		•	JP	6103092		14-12-1994
			DE	68925890		11-04-1996
			DE	68925890		31-10-1996
			EP	0380705		08-08-1990
			WO	9001656		22-02-1990
			KR	9511463		04-10-1995
		· 	US 	5158448 	A 	27-10-1992
US 2002081470	A1	27-06-2002	JP	2002198073	Α	12-07-2002
EP 0697564	Α	21-02-1996	DE	4428953	A1	22-02-1996
		•	DE	59503838		12-11-1998
·		<u></u>	EP	0697564	A1	21-02-1996
US 5828582 .	Α	27-10-1998	DE	19812955	A1	01-10-1998
			JP	10306286	Α	17-11-1998
DE 10045272	A1	28-03-2002	NONE			·
DE 19854035	A1	27-05-1999	AT	406900	В	25-10-2000
			ΑT	50398	Α	15-02-2000
JP 59013821	Α	24-01-1984	NONE			
WO 03019711	Α ·	06-03-2003	DE	10141776	A1	06-03-2003
			WO	03019711		06-03-2003
			US	2005037302	A1 .	17-02-2005
US 2002056316	A1	16-05-2002	JP	3398862	B2	21-04-2003
		_	JP	2002022160		23-01-2002
JP 2000240938	Α	08-09-2000	NONE			